

FORM PTO-1449/A and B (Modified)		APPLICATION NO.: 10/619,280	ATTY. DOCKET NO.: H0630-7003
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE: 07-14-2003	CONFIRMATION NO.: 7461
		APPLICANT: James F. Rieke and Timothy J. Rittof	
		GROUP ART UNIT: 3743	EXAMINER: Not Yet Assigned
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U.S. PATENT DOCUMENTS

Examiner's Initials#	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
AW		3,898,745		Carlsson	08/12/1975
AW		4,756,361		Lesage	07/12/1988

FOREIGN PATENT DOCUMENTS

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		Office/Country	Number	Kind Code			
AW		DE	4121873A1			01/14/1993	Abstract Only
AW		FR	2295394			07/16/1976	No
AW		FR	2608380			06/24/1988	Abstract Only

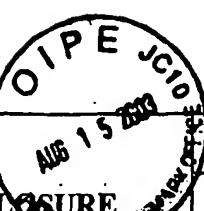
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		Number	Kind Code		
AW	A1	5,242,016		Voss et al.	09-07-1993
	A2	5,284,203		Dauvargne	02-08-1994
	A3	5,299,635		Abraham	04-05-1994
	A4	5,307,867		Yasuda et al.	05-03-1994
	A5	5,318,111		Young et al.	06-07-1994
	A6	5,323,849		Korcynski, Jr. et al.	06-28-1994
	A7	5,323,850		Roberts	06-28-1994
	A8	5,323,851		Abraham	06-28-1994
↓	A9	5,329,995		Dey et al.	07-19-1994
	A10	5,341,872		Mercurio	08-30-1994
AW	A11	5,348,083		Hosoya et al.	09-20-1994

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AW	C1	ARTHUR E. BERGLES, "Augmentation of Heat Transfer," 2.5 Single-Phase Convective Heat Transfer, 2.5.11-1 – 2.5.11-12, 1983 Hemisphere Publishing Corporation.	
	C2	ARTHUR E. BERGLES, "Augmentation of Condensation," 2.6 Condensation, 2.6.6-1 – 2.7.9-5, 1983 Hemisphere Publishing Corporation.	
	C3	W.J. MARNER et al., "Augmentation of Highly Viscous Laminar Heat Transfer Inside Tubes with Constant Wall Temperature," <i>Experimental Thermal and Fluid Science</i> 1989; 2:252-267; 1989 by Elsevier Science Publishing Co., Inc., New York, NY.	
	C4	R.S. VAN ROOYAN et al., "Laminar Flow Heat Transfer in Internally Finned Tubes With Twisted-Tape Inserts," p. 577-581, University of Stellenbosch, Stellenbosch, South Africa, 1978.	
↓	C5	D.R. OLIVER et al., "Heat Transfer Enhancement in Round Tubes Using Wire Matrix Turbulators: Newtonian and Non-Newtonian Liquids," <i>Chem. Eng. Res. Des.</i> , Vol. 66, November 1988, pp. 555-565.	
	C6	"Fine-Fin" Product Literature, publication date unknown.	
AW	C7	"Heat Exchanger Tubes with Increased Heat Transfer," VDM Tube Division 1978.	

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STATEMENT BY APPLICANT

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AW	C8	P.J. MARTO et al., "An Experimental Comparison of Enhanced Heat Transfer Condenser Tubing," pp. 1-9, Department of Mechanical Engineering, Naval Postgraduate School, Monterey, California, publication date unknown	
	C9	M.H. MEHTA et al., "Heat Transfer and Frictional Characteristics of Spirally Enhanced Tubes for Horizontal Condensers," pp. 11-21, Gujarat State Fertilizers Co. Ltd. Baroda, India; Department of Chemical Engineering, Indian Institute of Technology, Powai, Bombay, India, publication date unknown	
	C10	T.C. CARNAVOS, "Heat Transfer Performance of Internally Finned Tubes in Turbulent Flow," pp. 61-67, Noranda Metal Industries, Inc., Forge-Fin Division, Newtown, Connecticut, publication date unknown	
	C11	R.L. WEBB et al., "A Parametric Analysis of the Performance of Internally Finned Tubes for Heat Exchanger Application," Department of Mechanical Engineering, The Pennsylvania State University, University Park, Pennsylvania, pp.69-77, publication date unknown	
	C12	T.C. SCOTT et al., "Accurate, Simple Expressions for the Efficiency of Single and Composite Extended Surfaces," Mechanical and Aerospace Engineering, University of Virginia, Charlottesville, Virginia, pp. 79-85, publication date unknown	
	C13	H.M. SOLIMAN, "The Effect of Fin Material on Laminar Heat Transfer Characteristics of Internally Finned Tubes," Department of Mechanical Engineering, University of Manitoba, Winnipeg, Manitoba, Canada, pp. 95-102, publication date unknown	
	C14	R.K. GUPTA et al., "Heat Transfer and Friction Characteristics of Newtonian and Power-Law Type of Non-Newtonian Fluids in Smooth and Spirally Corrugated Tubes," Solar Energy Division, Jyoti Ltd., Baroda, India; Department of Chemical Engineering, Indian Institute of Technology, Bombay, India, pp. 103-113.	
	C15	A.E. BERGLES, "Chapter 3 –Techniques to Augment Heat Transfer," pp. 3-1 – 3-80, <i>Handbook of Heat Transfer Applications</i> , Second Edition, McGraw-Hill Book Company 1985.	
	C16	T.J. RABAS, "Selection of the Energy-Efficient Enhancement Geometry for Single-Phase Turbulent Flow Inside Tubes," 1989 National Heat Transfer Conference, HTD-Vol. 108, Heat Transfer Equipment Fundamentals, Design, Applications and Operating Problems, 1989, pp. 193-204.	
	C17	R. ANTONELLI et al., "Design and Application Considerations for Heat Exchangers with Enhanced Boiling Surfaces," <i>Evaporation and Condensation</i> , 1983, pp. 175-191.	
	C18	V.H. MORCOS, "Performance of Shell-And-Dimpled-Tube Heat Exchangers for Waste Heat Recovery," <i>Heat Recovery Systems & CHP</i> , Vol. 8, No. 4, pp. 299-308, 1988, Pergamon Press plc, Great Britain.	
	C19	R. WILTZ, "Engineered Products and Good Design Combine to Improve HX Performance," reprinted from <i>Chemical Processing</i> September 1992	
AW	C20	S. YILMAZ et al., "Performance of Finned Tube Reboilers in Hydrocarbon Service," The American Society of Mechanical Engineers, New York, NY, publication date unknown	
AW	C21	J.A. MOORE, "Fintubes Foil Fouling for Scaling Services," pp. 8-10, <i>Chemical Processing</i> August 1974	

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AW		4,182,400		de Nevers	01/08/1980

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AW		DE	43 00 011	A1	Dorst	07-07-1994	N
AW		WO	98/04879	A1	Fons, et al.	02-05-1998	
AW		GB	1,076,587		Metallgesellschaft Aktiengesellschaft	07-19-1967	
AW		GB	1,146,564		Polysius GmbH	03-26-1969	

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